110201 Jolly Jumpers

A sequence of $n > 0$ integers is called a *jolly jumper* if the absolute values of the differences between successive elements take on all possible values 1 through $n - 1$. For instance,

```
1 4 2 3
```

is a jolly jumper, because the absolute differences are 3, 2, and 1, respectively. The definition implies that any sequence of a single integer is a jolly jumper. Write a program to determine whether each of a number of sequences is a jolly jumper.

Input

Each line of input contains an integer $n < 3,000$ followed by n integers representing the sequence.

Output

For each line of input generate a line of output saying "`Jolly`" or "`Not jolly`".

Sample Input

```
4 1 4 2 3
5 1 4 2 -1 6
```

Sample Output

```
Jolly
Not jolly
```


